

**TOWN OF TRUMBULL, CONNECTICUT  
REQUEST FOR QUOTATION (RFQ)  
PLOW TRUCKS (5) WITH COMBINATION BODIES  
GENERAL INSTRUCTIONS TO BIDDERS**

**BID NUMBER 5902**

**DUE: June 21, 2011 at 3:00 PM**

The Town of Trumbull, Connecticut (hereinafter referred to as Town), through the Office of the Purchasing Agent, will accept sealed bids for five (5) Plow Trucks With Combination Bodies as detailed in the attached specifications.

**1. PREPARATION OF PROPOSALS**

- a) Bids shall be submitted by using the enclosed BID PROPOSAL FORM that accompanies this request. Submit one (1) ORIGINAL and one (1) EXACT COPY. Bidders should submit bids in a clear, concise and legible manner to permit proper evaluation of responsive bids.
- b) Bidders may also submit, under separate cover with their proposal, any samples of reports and documents that are necessary to meet the requirements (deliverables) of this request should a purchase order be awarded

**2. BID SUBMISSION**

Bids are to be submitted in DUPLICATE and sealed in a sealed envelope and addressed as follows:

**Bid 5902 - Due: June 21, 2011**

Purchasing Agent - Town of Trumbull  
5866 Main Street, Trumbull, CT 06611

Be advised that the person signing the formal proposal must be authorized by your organization to contractually bind your firm with regard to prices and related contractual obligations for the delivery period requested.

**3. BID TIME AND BID FORMS**

- a) Bids shall be received at the office of the Purchasing Agent, Town Hall, prior to the advertised hour of opening, at which time all proposals will be publicly opened and read aloud.
- b) A bidder may withdraw a proposal at any time prior to the above scheduled date and time. **Any bid received after the above scheduled date and time shall not be considered or opened.**
- c) All bid documents contained herein must be completed in their entirety; failure to do so may disqualify a bid submittal.

**4. TOWN OPTIONS**

- a) The Town of Trumbull reserves the right to reject any and all bids and does not bind itself to accept the lowest bid or any proposal. The Town reserves the right to ask for new bids in whole or in part, or to reject any or all bids, or any part thereof, and to waive any requirements, irregularities, technical defects or service therein when it is deemed to be in the best interest of the Town.
- b) If a bid proposal does not meet or better the required specifications, requirements, and scope of work requested on all points that must be outlined in a letter attached to the bid proposal otherwise it will be presumed that the bid as proposed is in accordance with the required specifications.
- c) The requirements and specifications of this request call for a specific commodity being purchased and do not permit any substitutions.
- d) If your product does not meet or better the required specifications on all points that must be outlined in a letter otherwise it will be presumed that a proposal is in accordance with the required specifications.
- e) In addition to consideration of a favorable bid, the Purchasing Department may give consideration to the most favorable delivery date and past experience.

**5. TAXES**

All purchases made by the Town, and associated with the award of this requirement shall be tax exempt. Any taxes must not be included in bid prices. A Town Tax Exemption Certificate shall be furnished upon request.

**6. INQUIRIES**

- a) All inquiries regarding this request shall be answered up to the close of business on **June 17, 2011** after which time no additional questions will be accepted. To ensure consistent interpretation of certain items, answers to questions the Town deems to be in the interest of all bidders will be made available in writing or by Fax as appropriate to all bidders. Inquiries of a technical nature may be directed to **Mr. Joseph**

**Mitri (203.452-5071)** at the Town Highway Dept, all others may be directed to Robert Chimini, Purchasing Agent (203.452.5042).

- b) The Town reserves the right to communicate with any or all of the bidders to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any bidder at any time after proposals are opened.
- c) **It is the sole responsibility of a bidder to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Purchasing Department Website [www.trumbull-ct.gov](http://www.trumbull-ct.gov) . Failure to submit a response that does not address any changes or addendums may result in a disqualification of a proposal submission.**

7. **AWARD AND AUTHORITY**

The Town will issue notification of award in the form of a Purchase Order.

8. **PRICING**

- a) All prices quoted are to be firm for a period of one (1) year following bid opening.
- b) Special Consideration will be given to responses with extended firm price dates. The Town is always interested in any and all cost reduction opportunities.

9. **ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS**

Any assignment or subcontracting by a bidder, vendor, or contractor for work to be performed, or goods and/or services to be provided, in whole or in part, and any other interest in conjunction with a Town procurement shall not be permitted without the express written consent of the Town of Trumbull.

10. **HOLD HARMLESS CLAUSE**

Bidder agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under an agreement with the Town, whether or not due in whole or in part of any act, omission or negligence of the Town or any of his representatives or employees.

11. **WORK REGULATIONS AND STANDARDS**

All work activities performed in association with this request must be performed and completed for the Town in accordance with current Federal State and Local regulations. All services performed shall also conform to the latest OSHA standards and/or regulations.

12. **CONFLICT OF INTEREST**

No purchase shall be made from nor shall services (other than services as an officer, agent, or employee of the Town) be secured from any officer or employee of the Town, or from any partnership or corporation in which such officer or employee is a partner or officer, or holds a substantial interest, unless such relationship and the fact that such purchase is contemplated shall be made known in writing to the agency making such purchase, and notice thereof posted, for at least five (5) days before such purchase be made, in the office of the agency making such purchase and in a public place in the Trumbull Town Hall.

13. **EQUAL ITEMS**

Equal items must be approved by the Town, and the Town reserves the right to reject any proposal offering equipment and/or materials, which, in its opinion does not meet the standard of quality established by the attached specifications. Any such decision will be considered final and not subject to further recourse.

15. **DELIVERY AND F.O.B.**

The quoted price must be F.O.B. Trumbull, Connecticut as designated on the purchase order. All prices shall be quoted as **DELIVERED PRICES**. The terms of the sale must be stated.

**TOWN OF TRUMBULL, CONNECTICUT  
 REQUEST FOR QUOTATION (RFQ)  
 PLOW TRUCKS (5) WITH COMBINATION BODIES  
 BID NUMBER 5902 DUE: JUNE 21, 2011 3:00 PM**

**SPECIFICATIONS**

***SUBMIT THIS SECTION WITH BID RESPONSE***

The following specifications are for FIVE (5) 2012 7400 series 4x2 cab & chassis and other equipment listed below. Indicate if your proposal complies with the following (Yes or No).

MODEL YEAR	2012	Yes	No
BASE CHASSIS	Base Chassis, Model 7400 SFA 4x2 with 187" wheelbase, 96.0 usable CA.		
COLOR	Omaha Orange		
TOW HOOK, FRONT	2 Frame mounted		
TOW HOOK, BACK	2		
FRAME RAILS	Heat treated Alloy Steel, 120,000 PSI yield strength, 10.866" x 3.622" x 0.433", 456.0" maximum OAL		
BUMPER, FRONT	Front Bumper; steel, swept back; powder coated gray color		
FRAME EXTENSION	Front integral; 20" in front of grille		
WHEELBASE	187 wheelbase, 96.0 usable CA		
AXLE, FRONT NON-DRIVING	Meritor MFS-16-143A wide track, I-beam type, 16,000 lb capacity		
Notes:	The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; wheels; tires		
SUSPENSION, FRONT	Front springs Parabolic, taper leaf; 16,000 lb capacity with shock absorbers		
	Includes: SPRING PINS Rubber bushings, maintenance-free		
Notes:	The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; wheels; tires		
BRAKE SYSTEM	Air Brake System, Dual system for straight truck application		
Includes:	BRAKE LINES color and size coded nylon DRAIN VALVE twist-type DUST SHIELDS, FRONT BRAKE DUST SHIELDS, REAR BRAKE GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; located in instrument cluster PARKING BRAKE CONTROL Yellow knob, located on instrument panel PARKING BRAKE VALVE for truck QUICK RELEASE VALVE Bendix on rear axle for spring brake release: 1 for 4x2, 2 for 6x4 SLACK ADJUSTERS, FRONT Automatic SLACK ADJUSTERS, REAR Automatic SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4		
Notes:	Rear axle is limited to 23,000 GAWR with code 04091 BRAKE SYSTEM. AIR and standard rear air cam brakes regardless of axle/suspension ordered		
BRAKES, FRONT, AIR CAM	16.5"X6", includes 24 sq in long stroke brake chambers		

DRAIN VALVE	Berg Manual; with pull chain, for air tank. Mounted in wet tank		
BRAKE SHOES, REAR	Cast		
Notes:	Provides rear axle GAWR up to 26,000 lb. The following features should be considered when calculating rear GAWR: Rear suspension; brake system; brakes, rear air cam; brake shoes, rear; special rating, GAWR; wheels; tires.		
AIR BRAKE ABS	Bendix antilock brake system; full vehicle wheel control system (4-channel) with automatic traction control		
AIR DRYER	Meritor Wabco System Saver 1200 with Heater. Located inside left rail, back of cab		
BRAKE CHAMBERS, FRONT	Front axle, Haldex, 24 sq in		
BRAKE CHAMBERS, REAR	Rear axle, Haldex GC3030LHDHO, 30/30 spring brake		
Includes:	BRAKE CHAMBERS, SPRING (2) rear parking; with truck brakes: All 4x2, 4x4; with tractor brakes: All 4x2, 4x4; 6x4 and 6x6 with rear tandem axles less than 46,000 lb or GVWR less than 54,000 lb		
BRAKES, REAR, AIR CAM	S-Cam; 16.5"x7.0"; includes 30/30 sq in long stroke brake chamber and spring actuated parking brake		
Notes:	The following features should be considered when calculating rear GAWR: Rear axles; rear suspension; brake system; brakes, rear air cam; brake shoes, rear; special rating, GAWR; wheels; tires.		
AIR COMPRESSOR	Bendix Tu-Flo 550, 13.2 CFM capacity		
STEERING COLUMN	Tilting		
STEERING WHEEL	2-spoke, 18" Diameter, Black		
STEERING GEAR	(2) Sheppard M-100/M-80, Dual Power		
EXHAUST SYSTEM	Single Exhaust System, Horizontal, aftertreatment device frame mounted right side under cab; includes vertical tail pipe with guard		
Includes:	Exhaust height 10' based on empty chassis with standard components (+ or - 1" height) MUFFLER?TAIL PIPE GUARD Non-bright finish		
ENGINE COMPRESSION BRAKE	for MaxxForce I6 engines; electronically activated		
MUFFLER/TAIL PIPE GUARD	(1) Bright stainless steel		
EXHAUST SWITCH	2 position, lighted & latching, on/off type, mounted in IP, inhibits diesel particulate filter regeneration as long as switch is in ON position--No Exceptions.		
ELECTRICAL SYSTEM	12-volt, standard equipment		
Includes:	BATTERY BOX Steel with plastic lid DATA LINK CONNECTOR for vehicle programming and diagnosis in cab FUSES, ELECTRICAL SAE blade-type HAZARD SWITCH push on/push off, located on top of steering column cover HEADLIGHT DIMMER SWITCH Integral with turn signal lever HEADLIGHTS (2) sealed beam, round, with chrome plated bezels HORN, ELECTRIC signal JUMP START STUD located on positive terminal of outermost		

	battery PARKING LIGHT Integral with front turn signal and rear tail light RUNNING LIGHT (2) daytime, included with headlights STARTER SWITCH Electric, key operated STOP, TURN, TAIL & B/U LIGHTS Dual, rear, combination with reflector TURN SIGNALS SWITCH Self-cancelling for trucks, manual cancelling for tractors, with lane change feature TURN SIGNALS, FRONT Includes reflectors and auxiliary side turn signals, solid state flashers; flush mounted		
WINDSHIELD WIPER SWITCH	2 speed with wash and intermittent feature (5 pre-set delays), Integral with turn signal lever		
WINDSHIELD WIPERS	Single motor, electric, cowl mounted		
WIRING, CHASSIS	Color coded and continuously numbered		
CIGAR LIGHTER	With ash cup		
HORN	2 electric		
POWER SOURCE	Cigar type receptacle without plug and cord		
ALTERNATION	Bosch LH160, 12-volt, 160 amp capacity		
BODY BUILDER WIRING	Heavy-duty wiring body builder connections, back of cab at frame, includes sealed connectors for tail/amber, turn/marker backup/accessory, power/groun and sealed connector for stop/turn		
BATTERY SYSTEM	International Maintenance-free, (3) 12-volt 1950CCA total		
2-WAY RADIO	Wiring effect; wiring with 20 amp fuse protection, includes ignition wire with 5 amp fuse, wire ends heat shrink and routed to center of header console in cab		
RADIO	International AM/FM premium stereo with CD player, weatherband, clock, front and rear aux input, USB port, and multiple speakers, includes iPod command and control		
Includes:	SPEAKERS IN CAB (2) coaxial with deluxe interior SPEAKERS IN CAB (4) coaxial with premium interior		
AUXILIARY HARNESS	5.0" for Auxiliary Front Headlights and Turn Signals, for Front Plow Applications		
JUMP START STUD	Remote mounted		
Includes:	JUMP START STUD mounted to battery box		
HORN, AIR	Black, Single Trumpet, Air Solenoid Operated		
BACK UP ALARM	Preco 1059, Electronic; solid state, dual function, 112 dBA		
WINDSHIELD WIPER SPEED CONTROL	Force wipers to slowest intermittent speed with park brake set and wipers left on for a predetermined time. NO EXCEPTIONS		
BATTERY DISCONNECT SWITCH	Joseph Pollak for cab power disconnect switch; lever operated, disconnects power to PDC, Does Not Disconnect charging circuits, cab mounted		
HEADLIGHTS	Long life Halogen; for two light system		
TEST EXTERIOR LIGHTS	Pre-trip inspection will cycle all exterior lamps except back-up lights. NO EXCEPTIONS		
HEADLIGHTS ON W/WIPERS	Headlights will automatically turn on if windshield wipers are on NO EXCEPTIONS		
INDICATOR, LOW COOLANT	with audible alarm		

ALARM, PARKING BRAKE	Electronic horn sounds in repetitive manner when vehicle park brake is "NOT" set, with ignition "OFF" and door opened NO EXCEPTIONS		
STARTING MOTOR	Mitsubishi electric automotive America 105P, 12 volt w/soft start		
Notes:	This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.		
CIRCUIT BREAKERS	Manual Reset (Main Panel) SAE Type III with trip indicators, replaces all fuses except 5amp fuses		
GRILLE	Stationary, chrome		
BUG SCREEN	Front end, mounted behind grille		
FRONT END	Tilting, fiberglass, with 3 piece construction		
PAINT SCHEMATIC	PT-1, single color, design 100 color to be identified w/order		
PAINT TYPE	Base coat/clear coat, 1-2 tone		
PROMOTIONAL PACKAGE	Silver package for use with air brakes		
CLUTCH	Omit Item (clutch and Control)		
OIL FILTER, ENGINE	Hudgins Model 960 Spinner		
ENGINE, DIESEL	MaxxForce 9 EPA10, 330hp @ 2000rpm, 950 lb ft torque @ 1200 rpm, 2200 rpm governed speed. SCR vehicles will not be accepted. NO EXCEPTIONS		
Includes:	AIR COMPRESSOR AIR SUPPLY LINE Naturally-aspirated (air brake chassis only) ANTI-FREEZE Red Shell Rotella extended life coolant; -40 degrees F/-40 degrees C; for MaxxForce engines COLD STARTING EQUIPMENT Intake Manifold electric grid heater with engine ECM control CRUISE CONTROL electronic; controls integral to steering		
	wheel ENGINE OIL DRAIN PLUG Magnetic ENGINE SHUTDOWN Electric, key operated FUEL/WATER SEPARATOR Fuel/water separator and fuel filter in a single assembly; with water-in-fuel sensor; engine mounted GOVERNOR Electronic OIL FILTER, ENGINE Spin-on type WET TYPE CYLINDER SLEEVES		
FAN DRIVE	Horton Drivemaster Polar Extreme; Direct drive type, 2-speed, with residual torque device for disengaged fan speed		
Includes:	FAN Nylon		
RADIATOR	Aluminum, front to back cross flow, series system; 1588 sq in core and 885 sq in charge air cooler and 470 sq in low temperature radiator down flow, includes transmission oil cooler		
Includes:	DEAERATION SYSTEM with surge tank HOSE CLAMPS, RADIATOR HOSES Gates shrink band type; Thermo plastic coolant hose clamps RADIATOR HOSES premium, rubber		
FEDERAL EMISSIONS	For 2010, MaxxForce 9 & 10 engines		
AIR CLEANER	Single element, with integral snow valve and in-cab control		
Includes:	GAUGE, AIR CLEANER RESTRICTION air cleaner mounted		
THROTTLE, HAND	Engine speed control, electronic, stationary, variable speed		

CONTROL	mounted on steering wheel		
ACCESSORY WIRING, SPECIAL	for road speed wire coiled under instrument panel for customer use		
ENGINE CONTROL	Remote mounted. No provision furnished for remote mounted engine control		
FAN OVERRIDE	Manual; with electric switch on instrument panel, Fan On with switch on)		
BLOCK HEATER, ENGINE	Phillips; 12-volt/1250 watt; with "Y" cord from socket in standard location, for a dealer installed oil pan heater, with extended life coated metal/plastic/metal material oil pan, for I6		
Includes:	BLOCK HEATER SOCKET receptacle type; mounted below driver's door		
TRANSMISSION, AUTOMATIC	Allison 3000 RSD-P 4th general controls, close ratio, 6-speed; with double overdrive; on/off Hwy; includes oil level sensor, with PTO provision, less retarder, with 80,000 lb GVW & GCW Max		
Includes:	OIL FILTER, TRANSMISSION mounted on transmission TRANSMISSION OIL PAN magnet in oil pan		
TRANSMISSION SHIFT CONTROL	Allison Push button type; for Allison 3000 & 4000 series transmission		
SHIFT CONTROL PARAMETERS	Allison S-1 performance programming in primary and Allison fixed programming in secondary		
TRANSMISSION OIL	Synthetic; 29 thru 42 pints		
ALLISON WT SPARE INPUT/OUTPUT	For Rugged Duty Series, General Purpose Trucks construction		
TRANSMISSION TCM LOCATION	Located inside cab		
AXLE, REAR	Single rear axle; Meritor RS-26-185 single reduction, standard track, 26,000 lb capacity, R wheel ends, driver controlled locking differential. Gear ratio 5.63.		
Includes:	REAR AXLE DRAIN PLUG (1) Magnetic, for single rear axle		
Notes:	The following features should be considered when calculating rear GAWR: Rear axles; rear suspension; brake system; brakes, rear air cam; brake shoes, rear; special rating, GAWR; wheels; tires When specifying axle ratio, check performance guidelines and TCAPE for startability and performance		
SUSPENSION, REAR	Spring type single car-rate; 31,000 lb capacity, includes 4500 lb capacity multi-leaf auxiliary		
Notes:	The following features should be considered when calculating rear GAWR: Rear axles; rear suspension; brake system; brakes, rear air cam; brake shoes, rear; special rating, GAWR; wheels; tires		
AXLE, REAR, LUBE	EmGard 75W-90, synthetic oil, 40 thru 49.99 pints		
FUEL/WATER SEPARATOR	with thermostatic fuel temp controlled elec heater, and filter restriction/change indicator, incl standard equip water-in-fuel sensor		
FUEL TANK	Top draw, D style, non-polished aluminum, 19" deep, 50 US gal, 190 L capacity, beveled back of tank, with quick connect outlet, mounted right side, under cab		
CAB	Conventional Cab		
Includes:	ARM REST (2) molded plastic; one each door		

	CLEARANCE/MARKER LIGHTS (5) flush mounted COAT HOOK, cab located on rear wall, centered above rear window CUP HOLDERS Two cup holders located in lower center of instrument panel DOME LIGHT, CAB Rectangular, door activated and push On-Off at light lens, timed theater dimming, integral to console, center mntd GLASS, ALL WINDOWS tinted GRAB HANDLE, CAB INTERIOR (1) "A" pillar mounted, pass side		
	GRAB HANDLE, CAB INTERIOR (2) front of "B" pillar mounted, one each side INTERIOR SHEET METAL Upper door (above window ledge) painted exterior color STEP (4) Two steps per door		
GRAB HANDLE, CAB INTERIOR	(2) safety yellow		
GAUGE CLUSTER	English with English Electronic speedometer		
Includes:	GAUGE CLUSTER (6) engine oil pressure (electronic), water temperature (elec), fuel (elec), tachometer (elec), voltmeter, washer fluid level ODOMETER DISPLAY Miles, trip miles, engine hours, trip hours, fault code readout WARNER SYSTEM Los fuel, low oil pressure, high engine coolant temp, and low battery voltage (visual and audible)		
GAUGE, OIL TEMP GAUGE, AIR CLEANER RESTRICTION	Allison Tran (Filter-Minder) with black bezel mounted in instrument panel		
IP CLUSTER DISPLAY	On board diagnostics display of fault codes in gauge cluster NO EXCEPTIONS		
SEAT, DRIVER	(National 2000) Air suspension , high back with integral headrest, cloth, isolator, 1 chamber lumbar, 2 position front cushion adjust, -3 to +14 degree back angle adjust		
Includes:	SEAT BELT 3-point, lap and shoulder belt type		
SEAT, PASSENGER	(Gra-Mag) non-suspension, high back, fixed back, integral headrest, cloth		
Includes:	SEAT BELT 3-point, lap and shoulder belt type		
MIRRIR, CONVEX, LOOK DOWN	(Lang Mekra) Right side; 6"x10 1/4", with bright finish		
MIRRORS	(2) Lang Mekra styled; rectangular, 7.09"x15.75" & integral convex both sides, 102" inside spacing, breakaway type, heated heads thermostatically controlled, power both sides, clearance lights LED, bright finish heads & brackets		
GRAB HANDLE	Chrome; towel bar type with anti-slip rubber inserts; for cab entry mounted left side only at "B" pillar		
SEAT BELT	All orange; 1 to 3		
CAB MOUNTING HEIGHT EFFECTS	High cab in lieu of mid high cab mounting (approx 4.5")		
WINDSHIELD	Heated, single piece. NO EXCEPTIONS.		
ARM REST	Right, driver side		
ARM REST	Left, driver side		
AIR CONDITIONER	International Blend-Air air conditioner with integral heater and defroster		



Includes:	CLAMPS, HEATER HOSE Mubea constant tension clamps		
	HEATER HOSES, premium		
	REFRIGERANT Hydrofluorocarbon HFC-134A		
CLAMPS, HEATER HOSE	(Breeze) Belleville washer type		
INSTRUMENT PANEL	Center section, flat panel		
HVAC	Fresh air filter		
FRESH AIR FILTER	Attached to air intake cover on cowl tray in front of windshield under hood		
CAB INTERIOR	Premium trim		
Includes:	"A" pillar cover molded plastic CAB INTERIOR trim panels cloth covered molded plastic, full height; all exposed interior sheet metal is covered except for the Following: with a 2-man passenger seat or with a full bench seat the back panel is completely void of covering CAB SOUND INSULATION includes dash and engine cover insulators CONSOLE, OVERHEAD molded plastic; with dual storage pockets with retainer nets, CB radio pocket, speakers, and reading lights COURTESY LIGHT (2) mounted in front map pocket left and right side DOOR TRIM PANELS with cloth insert on bolster driver and passenger doors FLOOR COVERING rubber, black GAUGE, TEMPERATURE, Amient includes compass readout and wiring and sensor with display unit mounted in cluster HEADLINER soft padded cloth INSTRUMENT PANEL TRIM molded plastic with black center section STORAGE POCKET, DOOR (2) molded plastic carpet texture, full length; driver and passenger door SUN VISOR (3) padded vinyl; 2 moveable front to side primary visors driver side with vanity mirror and toll ticket strap, plus 1 auxiliary visor (front only), driver side		
CAB REAR SUSPENSION	Air bag type		
WINDSHIELD WIPER BLADES	Snow type		
WHEEL, SPARE, DISC	ONE FRONT AND ONE REAR TIRE AND RIM EACH POWDER COATED		
WHEELS, FRONT, DISC	22.5" painted steel, 5 hand hole, 10 stud (285.75MM BC) hub piloted, flanged nut, metric mount, 8.25 DC rims; with steel hubs		
Includes:	PAINT IDENTITY, FRONT WHEELS white		
Notes:	Compatible Tire Sizes: 12R22.5, 295/75R22.5, 295/80R22.5 315/80R22.5		
WHEELS, REAR DUAL DISC	22.5" painted steel, 5 hand hole, 10 stud (285.75MM BC) hub piloted, flanged nut, metric mount, 8.25 DC rims; with .472" thick increased capacity disc and steel hubs		
Includes:	PAINT IDENTITY, REAR WHEELS white		
Notes:	Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5 295/75R22.5, 295/80R22.5		
TIRE, SPARE	ONE FRONT AND ONE REAR TIRE AND RIM EACH POWDER		

Notes:	Only one spare front and rear tire per truck ordered. Order must reflect total number ordered. 10-digit tire code and spare rim/wheel code must be specified		
BDY INTG, REMOTE POWER MODULE	Mounted inside cab behind driver seat; up to 6 outputs & 6 inputs, max. 20 amp per channel, max. 80 amp total (includes 1 switch pack with latched switches)		
BDY INTG, PTO ACCOMODATION	For electric over hydraulic PTO, does not include solenoids, with latched switch mounted on dash includes audible alarm and indicator light in gauge cluster (requires 1 remote power module input and 1 output		
BDY INTG, INDICATOR LIGHTS	(2) 1 for Body Up, 1 for Gate Open, includes audible alarm, programmable mode for various switch actions. (Requires 2 remote power module inputs		
(4) TIRE, REAR	12R22.5 G287 MSA Duraseal (Goodyear) 482 rev/mile, load range H, 16 ply		
(3) TIRE, FRONT	315/80R22.5 G289 WHA (Goodyear) 484 rev/mile, load range L, 20 ply		
SNOW REMOVAL EQUIPMENT			
WARRANTY	60 month, 150,000 miles or 5400 hours Engine warranty. Includes electronics and injectors and turbo. Towing covers up to \$500 per tow  for International warrantible failure. Allison transmission 5 years warranty. Includes pick up and delivery from customer to awarded dealer for warranty period.		

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BID NUMBER 5902 DUE: JUNE 21, 2011 3:00 PM**

**SPECIFICATIONS (CONTINUED)**

***SUBMIT THIS SECTION WITH BID RESPONSE***

**Indicate if your proposal complies with the following (Yes or No).**

**Combination Dump Body/Material Spreader and Snow Plow Hitch Specifications**

These are the minimum detailed specifications to describe a snow removal package to be installed on the town's wheel cab and chassis with a 96 inch cab to axle measurement. The required equipment shall meet all requirements of State contract number 07PSX0182. All deviations from this specification must be addressed by the prospective bidder in writing and submitted with bid.

**Body General Description**

Heavy duty body serving as a dump body or transformed to a sand/salt/material spreader by means of a hydraulically tilting floor The equipment package will be from the state contract 07PSX0182

Description	Yes	No
<b>BODYSHALL BE TBEI DURCLASS</b>		
Capacity to be a minimum of 5.7 cubic yards water level without side boards		
Inside width to be 84 inches		
Inside length to be 120 inches		
Body outside width will be 96" bodies wider than 96" will not be accepted.		
Side height 28 inches		
Tailgate will be aluminum construction with 1/4 turn top release pin fixed to body.		
Cab shield 23 inches, 10 gauge 201 STAINLESS steel, reinforced on both ends, and Cabshield will INCLUDE 120 GALLON POLY LIQUID TANK, with Whelen 360 SIDE LIGHT.		
Front panel to be constructed from 3/16" 201 STAINLESS steel, reinforced by 4 full tubing type braces mount externally on front head sheet.		
Sides, constructed of 3/16" 201 STAINLESS steel, reinforced with two 10 gauge STAINLESS steel side 2 posts per side.		
Bottom of sides comes to a 45 degree formed taper		
The top tube is duraclass design formed into side welded top rail not acceptable.		
Tilt side must be single wall design serving as both outer and inner wall and moving with floor as one. Double wall designs are not acceptable.		
There will be two front and two rear corner posts made of 10 gauge 201 STAINLESS STEEL steel.		
<b>Tailgate</b>		
Constructed of aluminum sheet.		
Six panel design		
Top ears will be made of 1" stainless steel		
Top and bottom pins made of 1 1/4" cold rolled steel		
Top hinge will include greasing zerks		
Latches shall be over center design		
Tailgate will be double acting		
When tailgate is horizontal, it will be level with the floor		
Tailgate will be air operated, control will be inside cab of truck		
<b>Floor</b>		
Constructed of 3/16" AR 400 steel 190,000 psi yield strength-No Exception		

Reinforced 4" structural steel channel 12" O.C. traversing under the floor, I beam long sills. Honeycomb understructure not acceptable		
Floor hinge will be full length piano type all stainless steel welded in. The conveyor assembly is stainless steel bolted in.		
Blocks shall be grooved and fitted with grease zerks that are remote mounted to one location for ease of maintenance. All extension hoses to be 2000 psi hydraulic type with swivel fittings.		
The combination of this floor hinge system and the above mentioned floor and understructure shall eliminate the need for 50/50 flow dividers or equalizing hydraulic systems. Such systems are <i>not acceptable</i>		
<b>Understructure</b>		
Two full length I beams at 25.4 lbs per ft		
<b>Longitudinal Conveyor</b>		
The conveyor is an integral part of body floor and runs longitudinally down the driver's side of the body, discharging in front of the rear wheels. Conveyor is bolt on removable type		
Conveyor frame is constructed of 3/16" corten steel.		
Removable conveyor wear plate constructed of 3/16" AR 400 steel 190,000 psi yield strength		
Conveyor cover plate in one section constructed of 3/16" AR 400 steel 190,000 psi steel reinforced with 2"x3/16" flats		
Conveyor cover plates are integral to unit and do not need to be removed from the body		
Chain maintenance system including access panel in rear apron to allow for removal of chain and slotted doghouse to allow for removal of gearbox		
<b>Chain and Driving Mechanism</b>		
Self-cleaning pintle type chain		
18 1/2" overall width		
Bar flights, 3/8"x1 1/4" spaced every other link		
All chain links are protected by integral chain guard leaving only bar flights exposed		
Chain is driven by 25:1 ratio gear box		
Gearbox assembly is installed on discharge end and is bolt on		
Front sprockets are ductile cast iron grade 60		
Driveshaft is 1 1/2" high resistant stress proof 100,000 psi steel		
Rear sprockets are ductile cast iron grade 30		
Idler shaft is 1 1/2" diameter 90,000 psi steel		
Tension of chain is adjusted by use of two stainless steel threaded rods. Adjust each.		
<b>Spinner Assembly</b>		
Spinner shaft is sealed type with motor on top		
Hydraulic motor is 30 cubic inch and is bi-rotational		
Spinner shaft contains two embedded self-greasing ball bearings		
Spinner assembly is chassis mounted and is bolt laterally adjustable and removable		
Urethane spreading disc is 18" diameter, steel discs are not acceptable		
Ultra light non-adhesive polyethylene chute feeds the spreading disc. Chute is both adjustable and removable. Chute must be chassis mounted and use a 3/8x1" flat rod with adjustable holes to maintain its adjustment.		

<b>Hoist Cylinder</b>		
Dana hydraulic		
Capacity of 20 tons at 2000 psi		
Inverted cylinders, chrome rod only		
Chrome cylinder are acceptable only		
The Cylinder warranty is 3 years the body warranty is 7 years for corrosion(state contract)		
<b>Tilt Floor Hydraulic Cylinders</b>		
Two Dana double acting cylinders		
Cylinder size is 3 1/2" diameter x 22 1/2" stroke		
Combined capacity of 19 tons at 2000 psi		
Cylinder is stainless steel rods only		
Minimum 5 year warranty against corrosion		
Cylinder ends contain bushings with grooves and zerks for greasing		
Pins holding cylinders in place are made from 30,000 psi cold stainless steel		
Bottom cylinder bracket must be located on passenger side I beam to provide push from a place of strength		
Top of cylinder must mount in base of passenger sidewall and have access ports from which cylinder pins may be accessed		
<b>Safety and Accessories</b>		
Ladder, appropriately braced, forgiving style, with self-cleaning steps and grab handle located at left front corner of body		
Stainless steel holder for two chock blocks		
Stainless steel shovel holder with 5/16" snapper pin		
Safety leg to hold the body in raised position		
Safety leg to hold the floor in raised position		
Eleven safety stickers		
Center mud flap to protect rear brake chambers		
Four rubber mudflaps		
Owners manual		
<b>Hydraulic System</b>		
The system is to be furnished and completely installed to power and control all hydraulic requirements satisfactorily, both independently and collectively		
Rexroth transmission mounted direct mounted.		
Control valves with Airquip test fitting (inlet with relief, plow up and down, left and right, body up, side dump up and down with down pressure relief and power beyond). Stainless steel Rexroth valve box with stainless hardware		
The Controls are air operated with a RC440 for the spreader controller. body up lever safety lock, and engraved plaque to identify lever functions		
The sander controller to include palm pilot and interlocked down load.		
Hydraulic tank, to be mounted behind cab vertically, 37 gallon capacity, with low oil sender, breather cap, and sight/temp gauge		
Shut off valves, to be 1/4 turn ball shut off valves		
Return filter will be 10 micron spin on type, with 15-psi relief by-pass and conditions indicator gauge		
Hydraulic manifold, all return lines to be routed into centrally located manifold		
<b>Hydraulic System (continued)</b>		
Hydraulic pipes to deliver and return hydraulic oil from control valve to plow functions to be, integrated, modular, 1/2" ID. Stainless steel tubing .065 wall,		

custom bent and mounted in cushion clamps. Not to obstruct normal maintenance items. Extended lengths of hydraulic hose will not be accepted		
Pressure and suction line to pump appropriate size to meet system requirements. Joined with hydraulic hose at flex point.		
Hydraulic hose may only be utilized at flex points and must have swivel fittings on both ends for ease of replacement if necessary.		
<b>Electrical and Lighting</b>		
Plow lights will be Truck Lite #80800 mounted on the hood with custom stainless steel fender brackets		
A Trucklight completely sealed system with Truck Lite junction box, all terminals coated with silicone dielectric grease		
Premium Electrical System with the following: Trucklight lighting system with complete independent electrical circuitry utilizing a constant duty solenoid, buss bar, and circuit breakers mounted in enclosed box in cab		
Laminated Electrical Schematics of allied lighting shall be included		
Spinner light - Truck Lite		
Load light - Truck Lite		
ICC lighting - Trucklight with Lexan, heat and shatter resistant lenses		
Back up alarm - audible SA917 B4 ECCO		
Body up alarm - visual and audible		
Trailer plug - Cole Hersey #1235		
All auxiliary electrical components to be powered by self-contained, circuit breaker protected, electrical distribution system		
<b>Strobe System</b>		
Whelen LED NE with front dual head LED and rear post with rear side post LED The whelen lights will include full length harness run in conduit. lights are in recessed stainless steel boses mounted in rear corner posts of dump body.		
<b>Plow Frame:</b>		
Shall be manufactured by a recognized snow plow manufacturer--		
Frame attachment shall be manufactured in such a way as to allow the hood of a chassis fitted with a tilt engine cowl and stationary grill work to tild forward over the upper portion of such attachment		
Side plates 1/2" thick, reinforced and bolted as far back on the truck frame as possible		
Top cross members and vertical risers shall be constructed of 4"x3"x1/2" angle		
Bottom member is to be of 15"x4 1/2"x 1/2" C-Channel, interlaced with vertical members. PLOW push 21" OC with three (3) HOLES heights. Cylinder base mounting bracket will be mounted to this member		
Lift yolk to be constructed of 1/2" steel sides to form a frame 1 1/8" tube for pivot and 1/4" plate for top. Yolk to pivot on a 1" diameter full width bolt with castle nut and cotter pin.		
Cylinder to be double acting, 4" bore x 10" stroke		
<b>Snow Plow: 113645PRRLF vortex mold board</b>		
The moldboard shall be a height of 36"tapered to 45" right side with an 11' length		
The top edge of the plow constructed of 1.5"x2.5"x1/4" steel tubing		
There shall be seven 3/8" flat steel vertical ribs starting out at 7 3/4" wide at the base of moldboard reduced to 2 1/4" at the top. The vertical ribs are to be solid welded to the top of the tubing.		

Bottom horizontal reinforcement constructed of 4"x7"x1/2" steel with 3/8" thick flat steel welded to the edge of the tubing		
A-frame to be constructed of 4"x4"x3/8" reinforced tubular steel		
Main frame support to be constructed of 4"x4"x3/8" reinforced tube connected to a reversing table of 1/2" thick		
Two adjustable bars with three attack angles for applicable snow conditions		
A heavy duty 36"x4"x3/4" swivel bar with 1" thick revited built-in stops to allow for 25 degree swivel. Swivel bar connected to A-frame via 1" grade 5 bolt		
Push frame shall have dual 3"x15" SINGLE acting cylinders		
Cylinders will be SINGLE acting chrome rods with PIN LOCK DESIGN. Nitride cylinders are not acceptable.		
Backer angle shall be 4"x6"x3/4" reinforced steel supported by six 5/8" heavy duty bushing and gussets and reinforcement kit. Springs are dual compression type.		
Extension springs are not acceptable.		
Plow face shall be highway orange. Entire plow assembly shall be primed and finished with black enamel		
<b>Paint</b>		
All non stainless body parts requiring paint shall be sand blasted, primed, and painted		
All spot painting shall be properly prepared and primed before the finish coat is applied		
<b>Body max height 118 inches.</b>		
<b>Oil pan coating (CHECK ONE)</b>		

**TOWN OF TRUMBULL, CONNECTICUT  
REQUEST FOR QUOTATION (RFQ)  
PLOW TRUCKS (5) WITH COMBINATION BODIES**

### BID SUBMISSION DEVIATIONS

(Attach this form to bid form)

Bidder must bid on equipment as specified. Any variation from these specifications must be presented to the procuring agency in the space provided below. Bidder must indicate any variances to the specifications, no matter how slight. The statement "see attached" to express a variance is not acceptable. The bidder must describe the variance in the space provided and supply additional documentation to justify the variance. If no variations are presented, it shall be construed that the proposed equipment is in total compliance with these specifications. Delivered equipment is subject to acceptance by the procuring agency. Equipment not fulfilling the specifications as accepted by the procuring agency will be rejected.

### VARIATIONS TO SPECIFICATIONS:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

Company Name

By (Signature)

Address

---

Print Name \_\_\_\_\_

Address

Title

Date \_\_\_\_\_

Telephone/Fax



**TOWN OF TRUMBULL, CONNECTICUT  
REQUEST FOR QUOTATION (RFQ)  
PLOW TRUCKS (5) WITH COMBINATION BODIES  
BID NUMBER 5902 DUE: JUNE 21, 2011 3:00 PM**

**BID PROPOSAL FORM**

**THE UNDERSIGNED AFFIRMS AND DECLARES** that this Bid is executed with full knowledge and acceptance of the specifications, requirements, terms and conditions contained herein and with complete understanding and full compliance of system requirements and hereby submits this Bid for the request noted above and certifies that this Bid meets all the specifications and conditions requested herein. Any substitutions to the specifications requested are clearly and completely noted. Any alternate Bids are presented in a similar format to those requested and are attached herein. It is understood that the Town reserves the right to reject any or all Bids or waive any formalities in this request.

**Year Make & Model:** \_\_\_\_\_

**2012 7400 series 4x2 cab & chassis** \$ \_\_\_\_\_/ea

**Combination Dump Body/Material Spreader and Snow Plow Hitch** \$ \_\_\_\_\_/ea

**TOTAL PRICE** \$ \_\_\_\_\_

\_\_\_\_\_  
(Written TOTAL amount)

**Above Price Shall Remain Firm for** \_\_\_\_\_ **days**

**Detailed specifications and literature accompanies this response are attached.**

**Warranty:** \_\_\_\_\_

Warranty/replacement parts to be available within \_\_\_\_\_ hours.

\_\_\_\_\_ miles to nearest service/parts facility

\_\_\_\_\_ years \_\_\_\_\_ miles engine warranty.

\_\_\_\_\_ years \_\_\_\_\_ miles engine electronics warranty.

\_\_\_\_\_ years \_\_\_\_\_ miles engine transmission warranty.

\_\_\_\_\_ years \_\_\_\_\_ miles towing coverage.

Body rust/corrosion warranty \_\_\_\_\_ years.

Body dump cylinder warranty \_\_\_\_\_ years.

Body side dump cylinders warranty \_\_\_\_\_ years.

The undersigned, as bidder, declares that no person, or persons, other than those named herein, are interested in this Proposal; that this Proposal is made without collusion with any person, firm or corporation; that no person or persons acting in any official capacity for the Town is directly or indirectly interested therein or in any portion of the profit.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
By (Signature)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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Telephone/Fax

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Email

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Website